

VARACTOR WITH EXTENDED TUNING RANGE

Abstract

The invention proposes a device for high-frequency and/or radio-
5 frequency tuning comprising within one IC-package a first variable capacitor (C_1)
and at least one second capacitor (C_2), each of the at least one second capacitor (C_2)
being fixed or variable respectively, at least one signal path connected to the first
variable capacitor (C_1) and providing at least one input and one output port (rf-
port1, rf-port2) and at least one controllable switching means (S_{C2}) for individually
10 connecting and disconnecting at least one of the at least one second capacitor (C_2)
into the signal path or from the signal path, in particular in parallel to the first
variable capacitor (C_1).